

BLABY RURAL DISTRICT COUNCIL.

A N N U A L   R E P O R T

of the

M E D I C A L   O F F I C E R   O F   H E A L T H

for the year 1938.

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for the year 1938.

Mr. Chairman and Gentlemen,

I have the pleasure to present my thirty-seventh Annual Report on the Health of your District.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

|                                      |    |    |    |          |
|--------------------------------------|----|----|----|----------|
| Population Census 1921               | .. | .. | .. | 16,565   |
| Population Census 1931               | .. | .. | .. | 32,764   |
| Estimated Population 1938 (Mid-year) | .. |    |    | 33,090   |
| Inhabited houses, 31st December      | .. | .. |    | 10,143   |
| Rateable value                       | .. | .. | .. | £150,012 |
| Sum represented by a penny rate      | .. | .. |    | £600     |

Social Conditions.

Although the District is largely agricultural, most of the land being grazed, there is, in addition to the quarrying industry, a large number of Boot & Shoe and Hosiery Factories in the larger villages. The district is moreover residential for a number of persons employed in the City of Leicester. The population of the District having more than doubled since 1921, underwent a considerable reduction on 1st April 1935, owing to extension of the boundary of the City of Leicester. On 1st April 1936, it was increased by the transfer of six parishes from the Hinckley Rural District, while the parish of East Wigston was transferred to the Wigston Urban District.

Vital Statistics.

|                    |             |             |       |            |
|--------------------|-------------|-------------|-------|------------|
| Births, legitimate | M. 230      | F. 232      | Total | 462        |
| " illegitimate     | M. <u>6</u> | F. <u>4</u> | Total | <u>10</u>  |
| Totals:-           | <u>236</u>  | <u>236</u>  |       | <u>472</u> |

[illegible]

|   |    |    |    |                 |    |       |      |
|---|----|----|----|-----------------|----|-------|------|
| Birth-rate  | .. | .. | .. | ..              | .. | ..    | 14.2 |
| Birth-rate for England & Wales                                      | .. | .. | .. | ..              | .. | ..    | 15.1 |
| Still-births: Legitimate 22.  |    |    |    | Illegitimate 1. |    | Total | 23   |
| Deaths: Males 140.  |    |    |    | Females 129.    |    | Total | 269  |
| Crude Death-rate  | .. | .. | .. | ..              | .. | ..    | 8.1  |
| Comparative Death-rate (i.e. allowing for sex and age distribution) |    |    |    |                 |    |       | 7.7  |
| Death-rate for England & Wales                                      | .. | .. | .. | ..              | .. | ..    | 11.6 |
| Deaths of Infants under one year of age (all legitimate)            |    |    |    |                 |    |       | 12   |
| Infant Mortality Rate per 1,000 births                              | .. | .. | .. | ..              | .. | ..    | 25   |
| Infant Mortality Rate for England & Wales                           | .. | .. | .. | ..              | .. | ..    | 53   |

Causes of Death.

|                            |    |    |    |    |    |    | <u>Males.</u> | <u>Females.</u> |
|----------------------------|----|----|----|----|----|----|---------------|-----------------|
| <u>All Causes.</u>         |    |    |    |    |    |    | <u>140</u>    | <u>129</u>      |
| Diphtheria                 | .. | .. | .. | .. | .. | .. | 1             | 1               |
| Influenza                  | .. | .. | .. | .. | .. | .. | 2             | 1               |
| Cerebro-spinal fever       | .. | .. | .. | .. | .. | .. | 1             | 1               |
| Respiratory tuberculosis   | .. | .. | .. | .. | .. | .. | 4             | 1               |
| Other tuberculosis         | .. | .. | .. | .. | .. | .. | 1             | 1               |
| Cancer, malignant disease  | .. | .. | .. | .. | .. | .. | 20            | 29              |
| Diabetes                   | .. | .. | .. | .. | .. | .. | 1             | -               |
| Cerebral haemorrhage etc.  | .. | .. | .. | .. | .. | .. | 12            | 13              |
| Heart disease              | .. | .. | .. | .. | .. | .. | 17            | 21              |
| Aneurysm                   | .. | .. | .. | .. | .. | .. | 2             | -               |
| Other circulatory diseases | .. | .. | .. | .. | .. | .. | 11            | 12              |
| Bronchitis                 | .. | .. | .. | .. | .. | .. | 8             | 4               |
| Pneumonia (all forms)      | .. | .. | .. | .. | .. | .. | 2             | 1               |
| Other respiratory diseases | .. | .. | .. | .. | .. | .. | -             | 1               |
| Peptic ulcer               | .. | .. | .. | .. | .. | .. | 4             | 1               |
| Diarrhoea (under 2 years)  | .. | .. | .. | .. | .. | .. | -             | -               |
| Appendicitis               | .. | .. | .. | .. | .. | .. | 1             | 2               |
| Cirrhosis of the liver     | .. | .. | .. | .. | .. | .. | 2             | -               |
| Other liver diseases       | .. | .. | .. | .. | .. | .. | -             | 1               |





Causes of Death (Continued)

|                          |    |    |    |    |    |    | <u>Males.</u> | <u>Females.</u> |
|--------------------------|----|----|----|----|----|----|---------------|-----------------|
| Other digestive diseases | .. | .. | .. |    |    |    | 3             | 2               |
| Nephritis                | .. | .. | .. | .. | .. | .. | 4             | 2               |
| Puerperal sepsis         | .. | .. | .. | .. | .. | .. | -             | -               |
| Other puerperal causes   | .. | .. | .. | .. | .. | .. | -             | 1               |
| Congenital causes        | .. | .. | .. | .. | .. | .. | 6             | 1               |
| Senility                 | .. | .. | .. | .. | .. | .. | 8             | 13              |
| Suicide                  | .. | .. | .. | .. | .. | .. | -             | 2               |
| Other violence           | .. | .. | .. | .. | .. | .. | 4             | 8               |
| Other defined diseases   | .. | .. | .. | .. | .. | .. | 25            | 7               |
| Ill-defined or not known | .. | .. | .. | .. | .. | .. | 1             | 3               |

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Most of the particulars furnished in previous Annual Reports are still applicable, no special alterations or developments having taken place during the year.

Ambulance:-

Save for an ambulance at the Isolation Hospital the District depends on the facilities afforded in the City of Leicester.

Public Health Officers of the Local Authority:-

The Medical Officer of Health having acted for the Leicestershire and Rutland Combined Districts for 37 years will shortly be retired.

The Sanitary Inspector devotes the whole of his time to his official duties.

SANITARY CIRCUMSTANCES OF THE AREA.

Water:-

Extensions of the Leicester Corporation's mains were made in seven parishes in order to keep pace with building development. The Council's supply at Stoney Stanton is filtered and chlorinated and a chlorination plant has also been installed at Croft.

Ten samples from the pipe-supply and 44 samples of well-water, chiefly from Sharnford, were analysed, 40 of the latter proving unsatisfactory. 32 wells were closed and 14 were cleansed or





repaired. In 161 instances the public supply was laid on in lieu of well-water.

Bacteriological examinations of the Stoney Stanton supply are now yielding satisfactory results.

#### Drainage and Sewerage:-

Sewerage extensions have been completed at Enderby, Braunstone, Glen Parva, Glenfield and the Cottage Homesteads, Cosby. Extensions and improvements in sewage disposal have been carried out at Glenfield and also at the Blaby and Whetstone works.

A tender has been accepted for a sewerage scheme for Croft and Huncote. Further schemes are now under consideration and a Ministry of Health Inquiry was held last April concerning sewage disposal extensions for the parishes of Braunstone and Kirby Muxloe.

During the year 129 cesspools were abolished, the drains being connected with the sewer. At the end of 1938 there were 218 in the District.

#### Closet Accommodation:-

Approximate number in District:-

|   |       |
|---|-------|
| (1) Privies (excluding those on farms)        | 2     |
| (2) Pail-closets .. .. .                      | 2,714 |
| (3) Water-closets .. .. .                     | 4,794 |
| Pail-closets replaced by water-carriage .. .. | 59    |
| Privies converted to pail-closets .. .. .     | Nil   |

Most of the remaining pail-closets will shortly be dealt with under a conversion scheme.

#### Public Cleansing:-

A comprehensive scheme for the systematic collection of refuse from all parishes by direct labour commenced in 1936. A suitable site having been selected for controlled tipping, the scheme has continued in excellent working order throughout the year. As stated in my last Annual Report, it is an example of controlled tipping at its very best.

#### Sanitary Inspection of the Area:-

|   |    |       |
|---|----|-------|
| Total number of complaints received during the year | .. | 37    |
| " " " premises visited .. .. .                      | .. | 3,854 |



|   |       |
|---|-------|
| Total number of inspections made for all purposes .. .. | 5,117 |
| " " " defects or nuisances discovered .. ..             | 353   |
| " " " notices served - Statutory 5. Informal 353        | 358   |
| " " " notices complied with " 5. " 519                  | 524   |
| " " " summonses issued .. .. ..                         | Nil   |

#### Regulated Buildings:-

There are no Common Lodging Houses in the District, and there are no Canal Boats registered. No offensive Trades are established in the District. There were three Van dwellers in the District, 11 inspections being recorded.

#### Shops and Offices:-

Sanitary conveniences. Defects found 16. Remedied 2.

Ventilation. " " 2. " 2.

#### Camping Sites:-

None in the area and no licences have been issued.

#### Smoke Abatement:-

There are 35 factory and works chimneys in the District. 16 smoke observations are recorded, better stoking being enjoined where necessary. In one instance a mechanical feeder was installed.

#### Swimming Baths and Pools:-

None in the District.

#### Eradication of bed bugs:-

No infested houses were located during the year.

#### Schools:-

The public elementary schools throughout the District are well maintained and all save Kilby, Sharnford and Thurlaston have a piped supply of water.

### H O U S I N G.

#### 1. Inspection of Dwelling-houses during the year:-

- |  |       |
|--|-------|
| (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ..   | 1,894 |
| Number of inspections made for the purpose .. ..   | 2,209 |
| (2) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 .. | 511   |
| Number of inspections made for the purpose .. ..   | 704   |





|     |  |     |
|-----|--|-----|
| (3) | Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. .                               | 29  |
| (4) | Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. | 67  |
| 2.  | <u>Remedy of Defects during the year without Service of Formal Notices:-</u>   |     |
|     | Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers .. .. .                            | 373 |
| 3.  | <u>Action under Statutory Powers during the year:-</u>   |     |
|     | (a) Proceedings under Sections 9, 10 and 16, of the Housing Act, 1936:-  |     |
|     | (1) Number of dwelling-houses in respect of which notices were served requiring repairs ..   | 6   |
|     | (2) Number of dwelling-houses which were rendered fit after service of formal notices:-  |     |
|     | (a) By Owners .. .. .  | 6   |
|     | (b) By Local Authority in default of Owners  | Nil |
|     | (b) Proceedings under Public Health Acts:  |     |
|     | (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied .. .. .   | Nil |
|     | (2) Number of dwelling-houses in which defects were remedied after service of formal notices:-   |     |
|     | (a) By Owners .. .. .  | Nil |
|     | (b) By Local Authority in default of Owners  | Nil |
|     | (c) Proceedings under Sections 11 and 13 of the Housing Act, 1936:-  |     |
|     | (1) Number of dwelling-houses in respect of which Demolition Orders were made .. .. .  | 8   |
|     | (2) Number of dwelling-houses demolished in pursuance of Demolition Orders .. .. .   | 1   |
|     | (d) Proceedings under Section 12 of the Housing Act, 1936:-  | Nil |
| 4.  | <u>Housing Act, 1935. Overcrowding.</u>  |     |
|     | (a) i. Number of dwellings overcrowded at end of year  | 24  |
|     | ii. Number of families dwelling therein ..   | 24  |
|     | iii. Number of persons dwelling therein .. ..  | 127 |
|     | (b) Number of new cases of overcrowding reported during the year   | 1   |





- (c) i. Number of cases of overcrowding relieved during the year 11
- ii. Number of persons concerned in such cases 74
- (d) Cases in which dwelling-houses have again become overcrowded after Local Authority had taken steps for the abatement of overcrowding Nil

Six houses have been built by the Council at Stoney Stanton.

### INSPECTION and SUPERVISION OF FOOD.

#### Milk:-

The Sanitary Inspector submits the following particulars for the year:-

|  |                                      |                              |
|--|--------------------------------------|------------------------------|
| <u>Retailers:</u>                                | No. on Register .. ..                | 10                           |
| (Other than Cow Keepers).                        | No. of inspections .. ..             | 47                           |
|  | No. of contraventions found .. ..    | 17                           |
|  | No. of contraventions remedied ..    | 13                           |
| <u>Producers:</u>                                | No. on Register .. ..                | 177                          |
| (including producers who retail their own milk). | No. of inspections of premises ..    | 363                          |
|  |                                      | <u>Found</u> <u>Remedied</u> |
|  | No. requiring cleansing              | 29      26                   |
|  | No. requiring structural alterations | 37      28                   |
|  | Other contraventions                 | 13      12                   |

Approximate No. of milch cows in District 1,300

Licenses were granted to one Producer and four Retailers of Pasteurized Milk, to one distributor of Tuberculin Tested Milk and to eight distributors of Accredited Milk.

35 Designated milk samples and 140 other samples were submitted for examination at the County Laboratory. Nine of the former and 18 (i.e. 12 per cent) of the latter failed to reach the required degree of bacterial cleanliness.

Unsatisfactory samples are followed up, advice or warning is given and further samples are taken.

#### Meat and other Foods:-

No. of public abattoirs in district Nil

|                            |                      |                      |
|----------------------------|----------------------|----------------------|
| Private slaughter houses:- | <u>In Jan. 1938.</u> | <u>In Dec. 1938.</u> |
| No. registered             | -                    | -                    |
| No. licenced               | 23                   | 22                   |



|  |     |
|--|-----|
| No. of inspections of premises other than at<br>times of slaughter | 172 |
| No. of inspections of meat at time of slaughter                    | 53  |

There are no knacker yards in the District.

CARCASES INSPECTED AND CONDEMNED.

|   | Cattle<br>Excluding<br>Cows. | Cows | Calves | Sheep &<br>Lambs | Pigs  |
|---|------------------------------|------|--------|------------------|-------|
| Number killed   | 1,150                        | 27   | 19     | 3,347            | 1,219 |
| Number inspected                                      | 419                          | 19   | 7      | 611              | 301   |
| <u>All Diseases except Tuberculosis</u>               |                              |      |        |                  |       |
| Whole carcasses condemned                             | -                            | -    | -      | 1                | -     |
| Carcases of which some part or organ<br>was condemned | -                            | -    | -      | -                | 2     |
| <u>Tuberculosis Only</u>                              |                              |      |        |                  |       |
| Whole carcasses condemned                             | 1                            | -    | -      | -                | -     |
| Carcases of which some part or organ<br>was condemned | -                            | -    | -      | -                | -     |

Meat Shops, Meat Stores etc:-

|                    |    |    |    |    |    |
|--------------------|----|----|----|----|----|
| No. of inspections | .. | .. | .. | .. | 62 |
|--------------------|----|----|----|----|----|

Places where food (other than meat) is kept or prepared for sale:-

|                    |    |    |    |    |    |
|--------------------|----|----|----|----|----|
| No. of inspections | .. | .. | .. | .. | 17 |
|--------------------|----|----|----|----|----|

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

Incidence of Notifiable Disease.

| <u>Disease.</u>     | <u>Total cases notified.</u> | <u>Cases admitted to Hospital.</u> | <u>Total Deaths.</u> |
|---------------------|------------------------------|------------------------------------|----------------------|
| Scarlet fever       | 43                           | 33                                 | -                    |
| Diphtheria          | 26                           | 24                                 | 2                    |
| Pneumonia           | 9                            | -                                  | 3                    |
| Acute Poliomyelitis | 3                            | 3                                  | -                    |
| Erysipelas          | 6                            | -                                  | -                    |
| Puerperal pyrexia   | 4                            | 4                                  | -                    |

Two cases of OPTHALMIA NEONATORUM came under observation. The patients who were treated at home recovered with vision unimpaired.

SCARLET FEVER:-

This disease was less prevalent than in 1937, when 50 cases were notified, 85 having been notified in 1936 and 100 in 1935.



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The distribution of the cases was as follows:-

Blaby 9, Braunstone 2, Countesthorpe 4, Elmsthorpe 2, Enderby 3, Glenfields 4, Glen Parva 2, Huncote 1, Kirby Muxloe 2, Littlethorpe 1, Narborough 1, Sapcote 1, Sharnford 1, Stoney Stanton 2, Thurlaston 2, and Whetstone 6. Total 43.

Most of the cases were of a very mild type and all recovered.

#### DIPHTHERIA:-

The notified cases were as follows:-

Aston Flamville 1, Blaby 4, Braunstone 3, Cosby 1, Countesthorpe 1, Glenfields 4, Kirby Muxloe 2, Narborough 1, Littlethorpe 1, Sapcote 2, Sharnford 1, Stoney Stanton 1, Whetstone 3 and Countesthorpe Cottage Homes 1. Total 26.

Early in the year 125 children from several parishes in this District were immunised by the three shot method at South Wigston where they attended school. They were all effectively protected.

#### ACUTE POLIOMYELITIS:-

Two cases were notified at Braunstone and one at Whetstone.

The following table shows the age-distribution of the

#### TUBERCULOSIS cases:-

| Age-Periods.          | New Cases.   |    |                  |    | Deaths.      |    |                  |    |
|-----------------------|--------------|----|------------------|----|--------------|----|------------------|----|
|                       | Respiratory. |    | Non-respiratory. |    | Respiratory. |    | Non-respiratory. |    |
|                       | M.           | F. | M.               | F. | M.           | F. | M.               | F. |
| Under 1 year          | -            | -  | -                | 1  | -            | -  | -                | 1  |
| 1 and under 5 years   | -            | 1  | -                | -  | -            | -  | -                | -  |
| 5 and under 10 years  | -            | 1  | -                | -  | -            | -  | -                | -  |
| 10 and under 15 years | -            | -  | -                | -  | -            | -  | -                | -  |
| 15 and under 20 years | 2            | -  | -                | 1  | -            | -  | -                | -  |
| 20 and under 25 years | 2            | -  | -                | -  | 1            | 1  | -                | -  |
| 25 and under 35 years | 2            | 2  | -                | -  | -            | -  | 1                | -  |
| 35 and under 45 years | 3            | 3  | -                | -  | 1            | -  | -                | -  |
| 45 and under 55 years | 1            | -  | -                | -  | 1            | -  | -                | -  |
| 55 and under 65 years | 1            | -  | -                | -  | 1            | -  | -                | -  |
| 65 and upwards        | -            | -  | -                | -  | -            | -  | -                | -  |
| Totals:-              | 11           | 7  | -                | 2  | 4            | 1  | 1                | 1  |

# REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1900

The work of the Department during the year 1900 has been characterized by a steady and continuous progress in all the various branches of the study. The most important results have been the completion of the first series of experiments on the effect of temperature on the rate of reaction, and the discovery of a new method for the determination of the heat of reaction.

The first series of experiments was carried out by Mr. J. H. Phipps, and the results were published in the *Journal of the Chemical Society* in 1900. The second series of experiments was carried out by Mr. J. H. Phipps and Mr. J. H. Phipps, and the results were published in the *Journal of the Chemical Society* in 1900. The third series of experiments was carried out by Mr. J. H. Phipps and Mr. J. H. Phipps, and the results were published in the *Journal of the Chemical Society* in 1900.

The work of the Department during the year 1900 has been characterized by a steady and continuous progress in all the various branches of the study. The most important results have been the completion of the first series of experiments on the effect of temperature on the rate of reaction, and the discovery of a new method for the determination of the heat of reaction.

| Name of the substance |       | Molecular weight |       | Density |        | Boiling point |        | Melting point |        | Heat of reaction |    |
|-----------------------|-------|------------------|-------|---------|--------|---------------|--------|---------------|--------|------------------|----|
| 1                     | 2     | 3                | 4     | 5       | 6      | 7             | 8      | 9             | 10     | 11               | 12 |
| Hydrogen              | 2     | 2                | 2     | 0.0898  | 0      | -252.8        | -252.8 | -252.8        | -252.8 | 0                | 0  |
| Oxygen                | 32    | 32               | 32    | 1.429   | 0      | -182.9        | -182.9 | -182.9        | -182.9 | 0                | 0  |
| Nitrogen              | 28    | 28               | 28    | 1.2506  | 0      | -195.8        | -195.8 | -195.8        | -195.8 | 0                | 0  |
| Carbon                | 12    | 12               | 12    | 2.267   | 0      | -3000         | -3000  | -3000         | -3000  | 0                | 0  |
| Sulfur                | 32    | 32               | 32    | 2.07    | 0      | -223.9        | -223.9 | -223.9        | -223.9 | 0                | 0  |
| Phosphorus            | 31    | 31               | 31    | 1.82    | 0      | -132.8        | -132.8 | -132.8        | -132.8 | 0                | 0  |
| Chlorine              | 71    | 71               | 71    | 3.12    | 0      | -34.0         | -34.0  | -34.0         | -34.0  | 0                | 0  |
| Bromine               | 160   | 160              | 160   | 3.12    | 0      | 58.8          | 58.8   | 58.8          | 58.8   | 0                | 0  |
| Iodine                | 254   | 254              | 254   | 4.93    | 0      | 113.6         | 113.6  | 113.6         | 113.6  | 0                | 0  |
| Mercury               | 200   | 200              | 200   | 13.546  | 0      | 356.7         | 356.7  | 356.7         | 356.7  | 0                | 0  |
| Gold                  | 197   | 197              | 197   | 19.3    | 0      | 1063          | 1063   | 1063          | 1063   | 0                | 0  |
| Silver                | 108   | 108              | 108   | 10.49   | 0      | 961           | 961    | 961           | 961    | 0                | 0  |
| Copper                | 63.5  | 63.5             | 63.5  | 8.93    | 0      | 1083          | 1083   | 1083          | 1083   | 0                | 0  |
| Iron                  | 55.8  | 55.8             | 55.8  | 7.87    | 0      | 1538          | 1538   | 1538          | 1538   | 0                | 0  |
| Aluminum              | 27    | 27               | 27    | 2.70    | 0      | 933           | 933    | 933           | 933    | 0                | 0  |
| Magnesium             | 24.3  | 24.3             | 24.3  | 1.74    | 0      | 924           | 924    | 924           | 924    | 0                | 0  |
| Zinc                  | 65.4  | 65.4             | 65.4  | 7.14    | 0      | 907           | 907    | 907           | 907    | 0                | 0  |
| Lead                  | 207   | 207              | 207   | 11.34   | 0      | 878           | 878    | 878           | 878    | 0                | 0  |
| Antimony              | 121   | 121              | 121   | 6.69    | 0      | 877           | 877    | 877           | 877    | 0                | 0  |
| Strontium             | 87.6  | 87.6             | 87.6  | 2.54    | 0      | 839           | 839    | 839           | 839    | 0                | 0  |
| Barium                | 137.4 | 137.4            | 137.4 | 3.51    | 0      | 850           | 850    | 850           | 850    | 0                | 0  |
| Calcium               | 40.1  | 40.1             | 40.1  | 1.55    | 0      | 842           | 842    | 842           | 842    | 0                | 0  |
| Sodium                | 23    | 23               | 23    | 0.97    | 0      | 883           | 883    | 883           | 883    | 0                | 0  |
| Potassium             | 39    | 39               | 39    | 0.86    | 0      | 770           | 770    | 770           | 770    | 0                | 0  |
| Lithium               | 7     | 7                | 7     | 0.53    | 0      | 688           | 688    | 688           | 688    | 0                | 0  |
| Ammonia               | 17    | 17               | 17    | 0.68    | -77.7  | -33.3         | -33.3  | -33.3         | -33.3  | 0                | 0  |
| Hydrochloric acid     | 36.5  | 36.5             | 36.5  | 1.18    | -109.8 | -85.0         | -85.0  | -85.0         | -85.0  | 0                | 0  |
| Sulfuric acid         | 98    | 98               | 98    | 1.84    | -10.4  | -10.4         | -10.4  | -10.4         | -10.4  | 0                | 0  |
| Nitric acid           | 63    | 63               | 63    | 1.42    | 5.1    | 5.1           | 5.1    | 5.1           | 5.1    | 0                | 0  |
| Phosphoric acid       | 98    | 98               | 98    | 1.83    | 4.8    | 4.8           | 4.8    | 4.8           | 4.8    | 0                | 0  |
| Carbonic acid         | 44    | 44               | 44    | 1.34    | 0      | 0             | 0      | 0             | 0      | 0                | 0  |
| Acetic acid           | 60    | 60               | 60    | 1.05    | 16.6   | 16.6          | 16.6   | 16.6          | 16.6   | 0                | 0  |
| Formic acid           | 46    | 46               | 46    | 1.22    | 8.4    | 8.4           | 8.4    | 8.4           | 8.4    | 0                | 0  |
| Urea                  | 60    | 60               | 60    | 1.28    | 50.0   | 50.0          | 50.0   | 50.0          | 50.0   | 0                | 0  |
| Glucose               | 180   | 180              | 180   | 1.54    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Sucrose               | 342   | 342              | 342   | 1.59    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Starch                | 162   | 162              | 162   | 1.50    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Cellulose             | 162   | 162              | 162   | 1.50    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Protein               | 100   | 100              | 100   | 1.35    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Enzyme                | 100   | 100              | 100   | 1.35    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Alcohol               | 46    | 46               | 46    | 0.79    | 78.3   | 78.3          | 78.3   | 78.3          | 78.3   | 0                | 0  |
| Ether                 | 74    | 74               | 74    | 0.71    | 34.6   | 34.6          | 34.6   | 34.6          | 34.6   | 0                | 0  |
| Chloroform            | 119   | 119              | 119   | 1.48    | 61.1   | 61.1          | 61.1   | 61.1          | 61.1   | 0                | 0  |
| Bromine               | 160   | 160              | 160   | 3.12    | 58.8   | 58.8          | 58.8   | 58.8          | 58.8   | 0                | 0  |
| Iodine                | 254   | 254              | 254   | 4.93    | 113.6  | 113.6         | 113.6  | 113.6         | 113.6  | 0                | 0  |
| Mercury               | 200   | 200              | 200   | 13.546  | 356.7  | 356.7         | 356.7  | 356.7         | 356.7  | 0                | 0  |
| Gold                  | 197   | 197              | 197   | 19.3    | 1063   | 1063          | 1063   | 1063          | 1063   | 0                | 0  |
| Silver                | 108   | 108              | 108   | 10.49   | 961    | 961           | 961    | 961           | 961    | 0                | 0  |
| Copper                | 63.5  | 63.5             | 63.5  | 8.93    | 1083   | 1083          | 1083   | 1083          | 1083   | 0                | 0  |
| Iron                  | 55.8  | 55.8             | 55.8  | 7.87    | 1538   | 1538          | 1538   | 1538          | 1538   | 0                | 0  |
| Aluminum              | 27    | 27               | 27    | 2.70    | 933    | 933           | 933    | 933           | 933    | 0                | 0  |
| Magnesium             | 24.3  | 24.3             | 24.3  | 1.74    | 924    | 924           | 924    | 924           | 924    | 0                | 0  |
| Zinc                  | 65.4  | 65.4             | 65.4  | 7.14    | 907    | 907           | 907    | 907           | 907    | 0                | 0  |
| Lead                  | 207   | 207              | 207   | 11.34   | 878    | 878           | 878    | 878           | 878    | 0                | 0  |
| Antimony              | 121   | 121              | 121   | 6.69    | 877    | 877           | 877    | 877           | 877    | 0                | 0  |
| Strontium             | 87.6  | 87.6             | 87.6  | 2.54    | 839    | 839           | 839    | 839           | 839    | 0                | 0  |
| Barium                | 137.4 | 137.4            | 137.4 | 3.51    | 850    | 850           | 850    | 850           | 850    | 0                | 0  |
| Calcium               | 40.1  | 40.1             | 40.1  | 1.55    | 842    | 842           | 842    | 842           | 842    | 0                | 0  |
| Sodium                | 23    | 23               | 23    | 0.97    | 883    | 883           | 883    | 883           | 883    | 0                | 0  |
| Potassium             | 39    | 39               | 39    | 0.86    | 770    | 770           | 770    | 770           | 770    | 0                | 0  |
| Lithium               | 7     | 7                | 7     | 0.53    | 688    | 688           | 688    | 688           | 688    | 0                | 0  |
| Ammonia               | 17    | 17               | 17    | 0.68    | -77.7  | -33.3         | -33.3  | -33.3         | -33.3  | 0                | 0  |
| Hydrochloric acid     | 36.5  | 36.5             | 36.5  | 1.18    | -109.8 | -85.0         | -85.0  | -85.0         | -85.0  | 0                | 0  |
| Sulfuric acid         | 98    | 98               | 98    | 1.84    | -10.4  | -10.4         | -10.4  | -10.4         | -10.4  | 0                | 0  |
| Nitric acid           | 63    | 63               | 63    | 1.42    | 5.1    | 5.1           | 5.1    | 5.1           | 5.1    | 0                | 0  |
| Phosphoric acid       | 98    | 98               | 98    | 1.83    | 4.8    | 4.8           | 4.8    | 4.8           | 4.8    | 0                | 0  |
| Carbonic acid         | 44    | 44               | 44    | 1.34    | 0      | 0             | 0      | 0             | 0      | 0                | 0  |
| Acetic acid           | 60    | 60               | 60    | 1.05    | 16.6   | 16.6          | 16.6   | 16.6          | 16.6   | 0                | 0  |
| Formic acid           | 46    | 46               | 46    | 1.22    | 8.4    | 8.4           | 8.4    | 8.4           | 8.4    | 0                | 0  |
| Urea                  | 60    | 60               | 60    | 1.28    | 50.0   | 50.0          | 50.0   | 50.0          | 50.0   | 0                | 0  |
| Glucose               | 180   | 180              | 180   | 1.54    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Sucrose               | 342   | 342              | 342   | 1.59    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Starch                | 162   | 162              | 162   | 1.50    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Cellulose             | 162   | 162              | 162   | 1.50    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Protein               | 100   | 100              | 100   | 1.35    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Enzyme                | 100   | 100              | 100   | 1.35    | 146.0  | 146.0         | 146.0  | 146.0         | 146.0  | 0                | 0  |
| Alcohol               | 46    | 46               | 46    | 0.79    | 78.3   | 78.3          | 78.3   | 78.3          | 78.3   | 0                | 0  |
| Ether                 | 74    | 74               | 74    | 0.71    | 34.6   | 34.6          | 34.6   | 34.6          | 34.6   | 0                | 0  |
| Chloroform            | 119   | 119              | 119   | 1.48    | 61.1   | 61.1          | 61.1   | 61.1          | 61.1   | 0                | 0  |
| Bromine               | 160   | 160              | 160   | 3.12    | 58.8   | 58.8          | 58.8   | 58.8          | 58.8   | 0                | 0  |

Four of the fatal cases were in Hospitals or Sanatoria.  
One fatal case had not been previously notified.

No action was necessary under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor was any action taken under Section 172 of the Public Health Act, 1936.

In connection with the diagnosis and supervision of Infectious Disease the following examinations were made at the County Council's Laboratory:-

|                                     |    |    |    |     |
|-------------------------------------|----|----|----|-----|
| Sputa for Tuberculosis              | .. | .. | .. | 100 |
| Swabs for Diphtheria                | .. | .. | .. | 138 |
| Milk examinations (bacteriological) | .. |    |    | 402 |
| Urine (general and bacteriological) | .. |    |    | 54  |
| Urine for Tuberculosis              | .. | .. | .. | 34  |
| Blood for Wasserman test            |    | .. | .. | 13  |
| Sewage and water analysis           |    | .. | .. | 70  |
| Miscellaneous                       | .. | .. | .. | 9   |
| Total:-                             |    |    |    | 820 |

In addition to the above, 1,389 swabs for Diphtheria were examined for the Blaby Isolation Hospital.

#### Factories, Workshops and Workplaces:-

##### 1. Inspections:-

|                                      |                 |     |
|--------------------------------------|-----------------|-----|
| Factories (with mechanical power)    | Inspections     | 101 |
|                                      | Written notices | 47  |
| Workshops (without mechanical power) | Inspections     | 84  |
|                                      | Written notices | 19  |
| Other Premises                       | Inspections     | 49  |
|                                      | Written notices | 16  |
| Total:-                              |                 | 234 |
|                                      |                 | 82  |

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2. Defects found:-

| <u>Nuisances under the Public Health Acts:-</u>   | <u>Found.</u> | <u>Remedied.</u> | <u>Referred<br/>to H.M.<br/>Inspector.</u> |
|---|---------------|------------------|--|
| Want of cleanliness .. .. .                       | 21            | 18               | -  |
| Inadequate ventilation .. .. .                    | 4             | 3                | -  |
| Overcrowding .. .. .                              | 2             | 2                | -  |
| Ineffective drainage of floors ..                 | 2             | 2                | -  |
| Insufficient Sanitary Accommodation               | 11            | 8                | -  |
| Unsuitable or Defective Sanitary<br>Accommodation | 3             | 3                | -  |
| Not separate for Sexes .. .. .                    | 5             | 5                | -  |
| Other Offenses .. .. .                            | 1             | -                | 1  |
| Total:-   | 49            | 41               | 1  |

No instances of Outwork on Unwholesome Premises came under observation.

I have the honour to be,

Mr. Chairman and Gentlemen,

Your obedient Servant,

J. E. O'CONNOR, M.D., D.P.H.,

Medical Officer of Health.

Kirby Muxloe,

Leicester.

16th June, 1939.



| Date |        | Description         |          |
|------|--------|---------------------|----------|
| 1890 | Jan 1  | Balance forward     | 100.00   |
|      | Jan 15 | Received from A. B. | 50.00    |
|      | Feb 1  | Received from C. D. | 25.00    |
|      | Feb 15 | Received from E. F. | 75.00    |
|      | Mar 1  | Received from G. H. | 100.00   |
|      | Mar 15 | Received from I. J. | 150.00   |
|      | Apr 1  | Received from K. L. | 200.00   |
|      | Apr 15 | Received from M. N. | 250.00   |
|      | May 1  | Received from O. P. | 300.00   |
|      | May 15 | Received from Q. R. | 350.00   |
|      | Jun 1  | Received from S. T. | 400.00   |
|      | Jun 15 | Received from U. V. | 450.00   |
|      | Jul 1  | Received from W. X. | 500.00   |
|      | Jul 15 | Received from Y. Z. | 550.00   |
|      | Aug 1  | Received from A. B. | 600.00   |
|      | Aug 15 | Received from C. D. | 650.00   |
|      | Sep 1  | Received from E. F. | 700.00   |
|      | Sep 15 | Received from G. H. | 750.00   |
|      | Oct 1  | Received from I. J. | 800.00   |
|      | Oct 15 | Received from K. L. | 850.00   |
|      | Nov 1  | Received from M. N. | 900.00   |
|      | Nov 15 | Received from O. P. | 950.00   |
|      | Dec 1  | Received from Q. R. | 1000.00  |
|      | Dec 15 | Received from S. T. | 1050.00  |
|      | Total  |                     | 10500.00 |

Received of the Treasurer of the County of ...  
 the sum of ... Dollars ...

Witness my hand and seal this ... day of ...  
 1890 ...

By the Treasurer ...  
 ...

The following examinations were made at the County Council's laboratory:-

|   |              |
|---|--------------|
| Swabs for diphtheria .....                | 582          |
| Sputa for Tuberculosis .....              | 140          |
| Milk examinations (bacteriological) ..... | 386          |
| Sewage and water analyses .....           | 64           |
| Blood for Wassermann Test .....           | 17           |
| Urine (general & Bacteriological) .....   | 29           |
| Urine for Tuberculosis .....              | 11           |
| Widal test for Typhoid fever .....        | 11           |
| Miscellaneous .....                       | 36           |
|   | <u>1,276</u> |

Factories, Workshops & Workplaces:-

1. Inspection:-

|                                      |                 |                           |
|--------------------------------------|-----------------|---------------------------|
| Factories (with mechanical power)    | Inspections     | 200                       |
|                                      | Written notices | 8                         |
| Factories (without mechanical power) | Inspections     | 80                        |
|                                      | Written notices | 10                        |
| Other premises                       | Inspections     | 26                        |
|                                      | Written notices | -                         |
| <u>Total:-</u>                       |                 | Inspections 306           |
|                                      |                 | Written notices <u>18</u> |

2. Defects found. Nuisances under the Public Health Acts:-

|                                    |          |                    |
|------------------------------------|----------|--------------------|
| Want of Cleanliness                | Found    | 3                  |
|                                    | Remedied | 3                  |
| Ineffective drainage of floors     | Found    | 1                  |
|                                    | Remedied | 1                  |
| Insufficient Sanitary Conveniences | Found    | 5                  |
|                                    | Remedied | 5                  |
| Unsuitable or Defective do:        | Found    | 7                  |
|                                    | Remedied | 7                  |
|                                    |          | <u>Found 16</u>    |
| <u>Total:-</u>                     |          | Remedied <u>16</u> |

3. Outwork in Unwholesome Premises:- Nil

It was not found necessary to refer any matter to H.M. Inspector.

Kirby Muxloe,  
Leicester.  
5th June 1939.

I have the honour to be,  
Your obedient servant,  
J. E. O'CONNOR, M.D., D.P.H.,  
Medical Officer of Health,  
(until 1st April 1939).

